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[illegible] [illegible] [illegible]. [illegible] **3** [illegible].

[illegible] [illegible] [illegible].

[illegible] Recovery Kernel [illegible], [illegible] [illegible] [illegible].

[illegible] [illegible]. [illegible] [illegible] "[illegible]" [illegible] 15% [illegible] [illegible] - [illegible] [illegible], [illegible] [illegible] [illegible] Recovery Kernel [illegible] [illegible] [illegible].

[illegible] [illegible] [illegible] [

⚠ [illegible] - [illegible].

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MTHFR	[illegible] - [illegible]	C677T (rs1801133), A1298C (rs1801131)	[illegible] MTHFR [illegible] - [illegible] 5-MTHF [illegible] methylcobalamin [illegible]
DRD2 / ANKK1	[illegible] D2 [illegible]	Taq1A (rs1800497)	A1 [illegible] ([illegible] D2 [illegible]) [illegible]

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SLC6A4 / 5-HTTLPR	[illegible] [illegible].	[illegible]/[illegible] [illegible]	[illegible]/[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] (AUD) [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible] [illegible]. 5-HTP, 5-MTHF [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. SSRI [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible].
CYP2E1	[illegible] [illegible] P450 2E1 - [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].	[illegible] [illegible] [illegible] [illegible] (rs2031920, rs3813867).	[illegible] CYP2E1 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. N-[illegible] [illegible] (NAC) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

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- [redacted] [redacted] [redacted]— [redacted], [redacted] [redacted], [redacted] [redacted]? [redacted] Sage COMT (Met/Met) [redacted] [redacted] [redacted] [redacted] GABRA2 [redacted] [redacted] [redacted].
- [redacted] [redacted] [redacted], [redacted], [redacted] [redacted]? → [redacted] [redacted] [redacted], [redacted], OPRM1 A118G [redacted] Warrior COMT [redacted].
- [redacted] [redacted] [redacted] [redacted] [redacted]? [redacted], [redacted] DRD2 [redacted] GABRA2 [redacted] [redacted] [redacted].
- [redacted] [redacted] [redacted] [redacted] [redacted] [redacted] (SSRI, [redacted] [redacted]) [redacted]? [redacted] ADH1B [redacted] [redacted] [redacted] [redacted] ALDH2 [redacted] [redacted] [redacted].
- [redacted] [redacted] [redacted] [redacted]? [redacted] [redacted]? [redacted] [redacted] MTHFR [redacted] [redacted]. [redacted] 5-MTHF [redacted].

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4.2 - GABA [illegible] [illegible].

[illegible] - [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

GABA [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. GABA [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible]. GABA [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

[illegible] / [illegible]	[illegible]	[illegible].	**GABA** [illegible] [illegible].
[illegible] [illegible] [illegible] (L-[illegible]).	300-400mg [illegible] [illegible].	[illegible] [illegible] [illegible].	[illegible] [illegible] GABA-[illegible] [illegible] [illegible]. [illegible] NMDA [illegible] [illegible] - [illegible] [illegible] [illegible] [illegible] [illegible] - [illegible] [illegible] GABA [illegible] [illegible], [illegible] [illegible] GABA-A [illegible] [illegible] [illegible].

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4.6 — [illegible]

[illegible] GABA [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] - [illegible] [illegible].

[illegible]	[illegible] [illegible] [illegible] [illegible] [illegible].	[illegible].	[illegible], [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible].
BPC-157	[illegible]-[illegible] [illegible] [illegible]; [illegible] [illegible]; [illegible] [illegible] [illegible]; [illegible] [illegible].	[illegible] 1 [illegible] - [illegible] [illegible]	BPC-157 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible]: [illegible] [illegible] (GABA [illegible]), [illegible]-[illegible] [illegible] [illegible]. [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible] BPC-157 [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible], [illegible] [illegible] [illegible] [illegible] [illegible].	GABA [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible].	[illegible] 1-8 - [illegible] [illegible] [illegible]; GABA [illegible] [illegible] [illegible].	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], [illegible] GABA [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible]	[illegible] [illegible]; [illegible] [illegible]; [illegible] [illegible]; [illegible] [illegible] [illegible].	[illegible] 1-4 - 10 [illegible] [illegible], [illegible] [illegible].	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

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[illegible] [illegible], [illegible] [illegible] [illegible] [illegible].	BDNF [illegible] [illegible]; [illegible] [illegible] [illegible]; [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible].	[illegible] 2 [illegible].	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. Semax [illegible] BDNF-[illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]. [illegible] [illegible] [illegible] 3 [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

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- [illegible] (0.5–1mg, [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] 30–60 [illegible] [illegible]) - [illegible] [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible].
- [illegible] [illegible] (300-400mg, [illegible] [illegible] [illegible]) - [illegible] GABA[illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
- [illegible] (3–5 [illegible], [illegible] [illegible] 30 [illegible]) - [illegible] [illegible] [illegible] [illegible], [illegible] [illegible] [illegible] [illegible] [illegible]; [illegible], [illegible] NMDA [illegible]-[illegible], [illegible] GABA-[illegible] [illegible] [illegible] [illegible].
- L-[illegible] (200–400mg [illegible]) — [illegible] [illegible]- [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
- 5-HTP (50–100mg [illegible]) — [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
- [illegible] (100-200mg, [illegible] [illegible]) - [illegible] [illegible] [illegible] [illegible] [illegible]; [illegible] [illegible] [illegible] HPA [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].

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Упражнение 7 - Определение генотипа: по результатам генотипирования.

Ген	.	Генотип человека.	Характеристика, общая и специфическая для генотипа.
Ангиотензин-превращающий фермент (Ангиотензин-превращающий фермент 0-7 генотипы).	Хромосома	Гомозиг. Гомозиг. Гетерозиг. Гетерозиг.	Генотип гомозиготный высокий. Гомозиготный низкий. Гетерозиготный высокий. Гетерозиготный низкий. Низкий гомозиготный низкий, Генотип гомозиготный высокий. Гетерозиготный высокий. Гетерозиготный низкий.
Ген серотонина (Генотипы 1-14).	Гетерозиготный 07, Гетерозиготный 09, Гетерозиготный 17, Гетерозиготный 18.	Гомозиг. Гомозиг, Гетерозиготный, Гетерозиготный.	Гомозиг. Гомозиг. Гомозиг. Гомозиг. Генотип B-гетерозиготный. Гомозиг. Гомозиг. Гетерозиготный. Гомозиг. Гомозиготный 18 (гомозиг) Гомозиготный 09 (гомо-гетерозиг) Гомозиг. Гомозиг. Гомозиг. Гомозиг. I гетерозиготный.
Гомозиг. Гетерозиготный (1 Гомозиг 4 Гомозиг гомозиг)	Гомозиг 15 (Гетерозиготный), Гетерозиготный 11, Гетерозиготный 12.	GABRA2 Гомозиг, Гетерозиготный OPRM1, COMT Гетерозиг, MTHFR.	Гетерозиг2 гомозиг-гомозиг Гомозиг Гетерозиг1 с118г Гом Гомозиг Гомозиг Гетерозиг Гомозиг Гомозиг Гомозиг, Гом Гетерозиг Гомозиг Гетерозиготный - Гом Гомозиг Гомозиг Гомозиг Гетерозиг Гетерозиготный Гетерозиг (Гомозиг Гетерозиготный, Гетерозиготный Гомозиг Гомозиг). Гомозиг Гомозиг Гомозиг Гомозиг.
GABA Гомозиг Гетерозиготный (1 Гомозиг 12 Гомозиг гомозиг).	Гетерозиготный 04, Гетерозиготный 01 Гомозиг гомозиг, с гомозиг Гомозиг 4.2.	GABA Гетерозиготный Гомозиг, Гомозиг Гетерозиг, Гомозиг Гомозиг, Гомозиг Гомозиг.	Гетерозиготный гомозиг Гомозиг Гомозиг Гомозиготный Гетерозиг, Гетерозиг Гетерозиготный Гетерозиг Гомозиг Гомозиготный Гомозиг Гетерозиготный Гетерозиг Гомозиг Гомозиг. Гомозиг Гомозиг Гомозиг Гомозиг Гомозиг Гомозиг Гомозиготный Гомозиг Гомозиг Гомозиг Гомозиг Гомозиг Гомозиготный Гетерозиготный. Гомозиг Гомозиготный с Гомозиг Гетерозиг Гетерозиг.
Гетерозиготный Гомозиг Гетерозиг	Гетерозиготный 02, Гетерозиготный	Гомозиг Гом Гетерозиг Гомозиготный Гетерозиготный,	Гетерозиг Гомозиг Гетерозиготный Гомозиг Гомозиг Гетерозиготный Гетерозиг Гетерозиготный Гомозиготный

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FDA-[illegible].

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Acamprosate (Campral)	GABA [illegible] - [illegible] PAWS (Post-Acute Withdrawal Syndrome) [illegible]	FDA [illegible]; PAWS (Post-Acute Withdrawal Syndrome)[illegible]	GABA [illegible] (GABRA2 [illegible]-[illegible]) [illegible] PAWS (Post-Acute Withdrawal Syndrome) [illegible]. [illegible], [illegible]

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[illegible]

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[illegible] GABA [illegible]

[illegible] (Recovery Kernel) [illegible] (alcohol) [illegible]

[illegible]

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Recovery Kernel [illegible]

Crisis: call or text 988 | Emergency: 911 | SAMHSA: 1-800-662-4357

⚠ [illegible]

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